RAW SEQUENCE LISTING

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Application Serial Number: _____ 10/541, 834 _____

Source: _____ PCT _____

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RAW SEQUENCE LISTING   DATE: 07/05/2006
PATENT APPLICATION: US/10/541,834   TIME: 14:17:06

Input Set : **A:\11899.0237.PCUS00.ST25.txt**
Output Set: **N:\CRF4\07052006\J541834.raw**

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 3 <110> APPLICANT: Beazley, Kim A.
 4        Ferreira, Ken L.
 5        Fitzpatrick, Sharie
 6        McCaslin, Mark H.
 7        Reyes, Carlos C.
 9 <120> TITLE OF INVENTION: Glyphosate Tolerant Alfalfa Events and Methods for Detection
10        Thereof
12 <130> FILE REFERENCE: 11899.0237.PCUS00
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C--> 14 `<140> CURRENT APPLICATION NUMBER: US/10/541,834`
C--> 14 `<141> CURRENT FILING DATE: 2005-07-12`
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14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/000812
15 <151> PRIOR FILING DATE: 2004-01-14
17 <160> NUMBER OF SEQ ID NOS: 14
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 18
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: chimeric DNA of alfalfa genomic DNA and transgene insert DNA
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34 <211> LENGTH: 18
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36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
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46 <211> LENGTH: 678
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48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
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56 cacatgatac tgtcggtgtt tgtttaaaag attaaaaaac tatacccttt gaataattaa   120
58 attaaatcaa attttcatat taaatttta atttttatagt aataatctaa ttttaataca   180
60 cttaggtgta aaaaaaattt aagcttcaaa gttttatatt gtcagcaaat cacaactaat   240
62 tgtgtgtacg gatacaaagt caaacatgat ttattgacgg tgtaaaaaat ctttacagtg   300
64 acaatgtata tggattaaat cgatttata ttagttattt tatgttatat cgtattcatg   360
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66  tcatgtgttt tgtactgatc ttgtgtcata gtttcaaaca ctgatagttt aaactgaagg       420
68  cgggaaacga caatctgatc cccatcaagc ttctgcaggt cctgctcgag tggaagctaa       480
70  ttctcagtcc aaagcctcaa caaggtcagg gtacagagtc tccaaaccat tagccaaaag       540
72  ctacaggaga tcaatgaaga atcttcaatc aaagtaaact actgttccag cacatgcatc       600
74  atggtcagta agtttcagaa aaagacatcc accgaagact taaagttagt gggcatcttt       660
76  gaaagtaatc ttgtcaac                                                     678
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80  <211> LENGTH: 581
81  <212> TYPE: DNA
82  <213> ORGANISM: Artificial Sequence
84  <220> FEATURE:
85  <223> OTHER INFORMATION: chimeric DNA of alfalfa genomic DNA and transgene insert DNA
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88  gaactttcct ttatgtaatt ttccagaatc cttgtcagat tctaatcatt gctttataat        60
90  tatagttata ctcatggatt tgtagttgag tatgaaaata ttttttaatg cattttatga       120
92  cttgccaatt gattgacaac atgcatcaat cgacctgcag ccactcgaag cggccgccac       180
94  tcgagtggtg gccgcatcga tcgtgaagtt tctcatctaa gcccccattt ggacgtgaat       240
96  gtagacacgt cgaaataaag atttccgaat tagaataatt tgtttattgc tttcgcctat       300
98  aaatacgacg gatcgtatgc attaaatata tagaggaatt tcttatcttg ctaattccag       360
100 catagttatt ttaatttgtc aaataattgt atgaatggta tattctacaa ctttctcatg       420
102 cttttcaata atgatgttgt ttttctgtaa tgctattttg attttatttt gcaggtgaac       480
104 aagagcaaca gtgctttgat ccatattaca aatgagggat ggtactattt tatggatgca       540
106 gtgaaacttc tgaaaacata gttggtgtgg tgctgttgga g                          581
109 <210> SEQ ID NO: 5
110 <211> LENGTH: 18
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
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122 <211> LENGTH: 18
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124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: chimeric DNA of alfalfa genomic DNA and transgene insert DNA
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134 <211> LENGTH: 481
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138 <220> FEATURE:
139 <223> OTHER INFORMATION: chimeric DNA of alfalfa genomic DNA and transgene insert DNA
141 <400> SEQUENCE: 7
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144 tacattttgg acttgacttg acttcactat tcataatgag cttcatgcat atttggatgc       120
146 ccatatcata tcaagtcatt attttatttt ccttttaacg attacccct cctacttttt       180
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Input Set : **A:\11899.0237.PCUS00.ST25.txt**
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148 tccttctttg ccgggacaag gtcatccaaa ctgaagtgtt cggtgggaaa cgacactctg    240
150 atccccatca agcttctgca ggtcctgctc gagtggaagc taattctcag tccaaagcct    300
152 caacaaggtc agggtacaga gtctccaaac cattagccaa aagctacagg agatcaatga    360
154 agaatcttca atcaaagtaa actactgttc cagcacatgc atcatggtca gtaagtttca    420
156 gaaaaagaca tccaccgaag acttaaagtt agtgggcatc tttgaaagta atcttgtcaa    480
158 c                                                                    481
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162 <211> LENGTH: 550
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: chimeric DNA of alfalfa genomic DNA and transgene insert DNA
169 <400> SEQUENCE: 8
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172 tatagttata ctcatggatt tgtagttgag tatgaaaata ttttttaatg cattttatga    120
174 cttgccaatt gattgacaac atgcatcaat cgacctgcag ccactcgaag cggccgccac    180
176 tcgagtggtg gccgcatcga tcgtgaagtt tctcatctaa gcccccattt ggacgtgaat    240
178 gtagacacgt cgaaataaag atttccgaat tagaataatt tgtttattgc tttcgcctat    300
180 aaatacgacg gatcgtaatt tgtcgtttta tcaaaatgta ctttcatttt ataataactt    360
182 ccattttttt tttcttttc ttttataata acagaaaaag aaaaagaaag atgatgaaaa     420
184 gagaaaagag aaaaccgaac catgataatt aacacaccac gtgcaattta cttta cttta    480
186 attttactac taccttattc tttcttcagc gtggtaaccg ttatactctt tattacacca    540
188 ctcaccacca                                                           550
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192 <211> LENGTH: 27
193 <212> TYPE: DNA
194 <213> ORGANISM: Medicago sativa
196 <400> SEQUENCE: 9
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200 <210> SEQ ID NO: 10
201 <211> LENGTH: 25
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203 <213> ORGANISM: Medicago sativa
205 <400> SEQUENCE: 10
206 tttcttactt cctagatttg gtagg                                           25
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 26
211 <212> TYPE: DNA
212 <213> ORGANISM: Figwort mosaic virus
214 <400> SEQUENCE: 11
215 gttgacaaga ttactttcaa agatgc                                          26
218 <210> SEQ ID NO: 12
219 <211> LENGTH: 24
220 <212> TYPE: DNA
221 <213> ORGANISM: Medicago sativa
223 <400> SEQUENCE: 12
224 ctccaacagc accacaccaa ctat                                            24
227 <210> SEQ ID NO: 13
228 <211> LENGTH: 25
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PATENT APPLICATION: US/10/541,834   TIME: 14:17:06

Input Set : **A:\11899.0237.PCUS00.ST25.txt**
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230 <213> ORGANISM: Medicago sativa
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238 <212> TYPE: DNA
239 <213> ORGANISM: Pisum sativum
241 <400> SEQUENCE: 14
242 gaactttcct ttatgtaatt ttccag                               26
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VERIFICATION SUMMARY   DATE: 07/05/2006
PATENT APPLICATION: **US/10/541,834**   TIME: 14:17:08

Input Set : **A:\11899.0237.PCUS00.ST25.txt**
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date